

```
//Criba.h
```

```
int criba(int a);
```

```
//Criba.cpp
```

```
#include <iostream>
```

```
#include "Criba.h"
```

```
#include <vector>
```

```
int criba(int a) {
```

```
    vector<int> lista;
```

```
    for (int i = 2; i < a; i++) {  
        bool marca = false;  
        for (int j = 2; j < i; j++) {  
            if (mcd(j, i) != 1) {  
                marca = true;  
            }  
            else {  
                continue;  
            }  
        }  
        if (marca == true) {  
            continue;  
        }  
        else {  
            lista.push_back(i);  
        }  
    }
```

```
    for (int i = 0; i < lista.size(); i++) {  
        cout << lista[i] << '\t';  
        if (modulo(i + 1, 6) == 0) {  
            cout << endl;  
        }  
    }
```

```
    return 0;
```

```
}
```

```
//CribaMain.h
```

```
int main() {
```

```
    int entero;
```

```
    cout << "Elija el limite de la criba: ";
```

```
    cin >> entero;
```

```
    cout << "Los numeros primos menores que " << entero << " son : " << endl;
```

```
    criba(entero);
```

```
}
```